

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/070797 A1

(51) International Patent Classification⁷: **B65H 19/18**

(21) International Application Number:
PCT/IT2005/000028

(22) International Filing Date: 20 January 2005 (20.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
FI2004A000016 21 January 2004 (21.01.2004) IT

(71) Applicant (for all designated States except US): **FABIO PERINI S.P.A.** [IT/IT]; Zona Ind.le P.I.P. Mugnano Sud, I-55100 Lucca (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MORELLI, Alessandro** [IT/IT]; Via del Brennero, 1896, I-55017 S. Pietro A Vico (IT). **GELLI, Mauro** [IT/IT]; Via del Marginone 24, Fraz. Pieve S. Paolo, I-55066 Capannori (IT).

(74) Agents: **MANNUCCI, Michele et al.**; Ufficio Tecn. Ing. A. Mannucci S.r.l., Via della Scala, 4, I-50123 Firenze (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

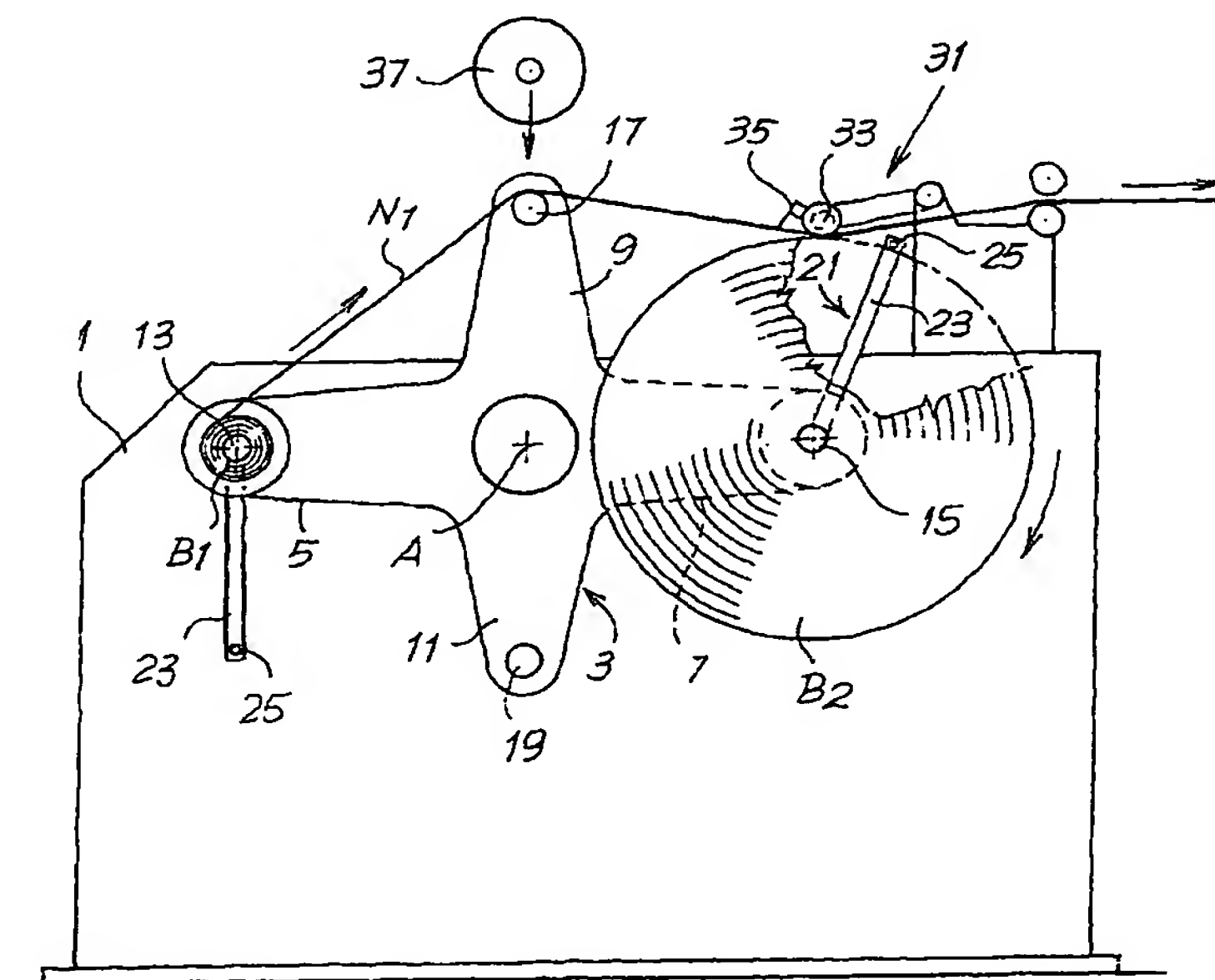
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: UNWINDING DEVICE FOR REELS OF WEB MATERIAL AND RELATIVE METHOD



(57) Abstract: The unwinding device comprises: a rotating element (3) with supports (13, 15) for at least two reels (B1; B2; B3); a splicing member (31, 33, 35) to join a first web material (N1) coming from an expiring reel (B1) to the initial free end (T) of a second web material (N2) wound on a new reel (B2). At least one mechanical member (21) is associated with each support (13; 15), to retain the initial free end (T) of the reel disposed on the support, to hold the initial free end until splicing of the two web materials.

WO 2005/070797 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.